



# Engine Control Systems

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## Crankcase Ventilation Filter Systems

*A companion product to the AZ Purimuffler™*

### **What are Crankcase Emissions**

Contaminated crankcase emissions are a serious problem for diesel engine owners and the environment. These emissions are a result of gas escaping past the piston rings due to high cylinder pressures into the crankcase. In the crankcase, these gases are contaminated with oil mist, water, etc. These contaminated emissions escape through the engine breather into the engine compartment where they can enter the engine intake system or into the environment.

Crankcase emissions coat the inside of engine compartments/rooms, fouling expensive components – increasing cleanup and related costs. These crankcase emissions not only pollute the air and engine compartments/rooms, they contribute to increased engine maintenance costs and can shortened the life of engine components.

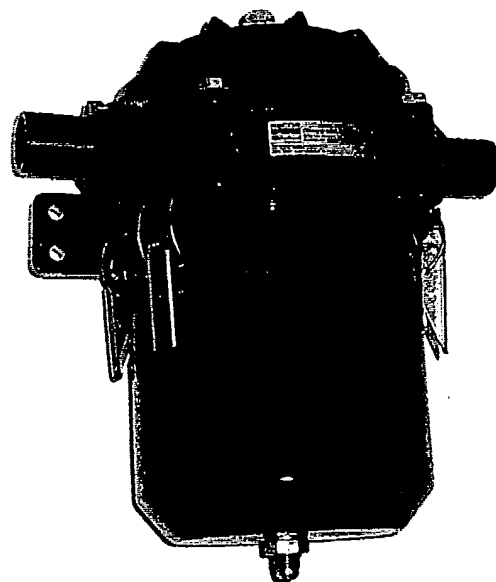
*When used in conjunction with the AZ Purimuffler™ this system of reduced crankcase and tailpipe emissions is the most economical and efficient system available to reduce harmful emissions from any diesel application.*

### **What does the ECS CCV system do?**

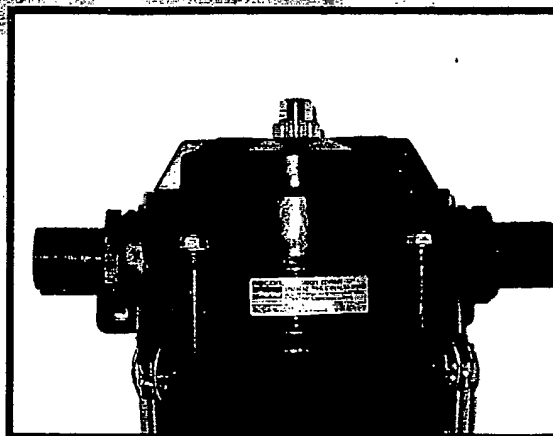
The ECS CCV Crankcase Ventilation Filter Systems offer an effective solution to reduce contaminated crankcase emissions. The ECS CCV system removes crankcase emissions, providing protection for your engine and the environment.

- *Keeps engine compartments and components clean*
- *Prevents clogging of engine intakes, turbochargers and intercoolers.*
- *Improves reliability of diesel engines*
- *More efficient than other products available on the market*
- *Reduces environmental pollution from crankcase emissions*
- *"Green" element is completely burnable and crushable*
- *Reduces smoke and odor in the immediate environment.*
- *Installed as original equipment by major manufacturers worldwide.*

### **ECS CCV System**



*Easy to install and compact in size*



*Visible and infallible maintenance indicator*

ECS supplies diesel oxidation catalysts to industries such as school bus, urban bus, inter-modal ports, and mining. To find out more about our complete product line, you are invited to visit our website at [www.enginecontrolsyste.ms.com](http://www.enginecontrolsyste.ms.com)